

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A code generation apparatus to generate a source code using a given model covering ~~a family of~~ a plurality of variations, the apparatus comprising:

model acquisition means for acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

selection information acquisition means for acquiring selection information, from a source external to the code generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part;

deletion and generation means for generating the source code from a certain model, which is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering ~~an unnecessary~~non-selected variation; and

a machine readable storage medium for storing the generated source code.

2. (previously presented) The code generation apparatus of claim 1,

wherein at least one part specifier includes a part specification block which encloses the specific part of the given model, and

wherein the selection information acquisition means acquires the selection information indicating at least one of selection and deletion of the certain specific part using the part specification block.

3. (previously presented) The code generation apparatus of claim 1,

wherein at least one part specifier includes attribute information that is included in the specific part of the given model.

4. (previously presented) The code generation apparatus according to claim 1 further comprising:

correlative information acquisition means for acquiring correlative information indicating correlation between part specifiers respectively specifying the specific parts of the given model acquired by the model acquisition means and the selection information acquired by the selection information acquisition means,

wherein the deletion and generation means generates the source code from the certain model that is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means and the correlative information acquired by the correlative information acquisition means.

5. (original) The code generation apparatus of claim 1,

wherein the selection information includes information about a model type relevant to the source code generated by the deletion and generation means.

6. (original) The code generation apparatus of claim 1,

wherein the selection information includes information about a destination country relevant to the source code generated by the deletion and generation means.

7. (original) The code generation apparatus of claim 1,

wherein the selection information includes information about an intended use relevant to the source code generated by the deletion and generation means.

8. (currently amended) A computer program product on a computer readable medium for use in a code generation apparatus to generate a source code using a given model covering a family of a plurality of variations, the computer program product comprising instructions for :

acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

acquiring selection information, from a source external to the code generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part;

generating the source code from a certain model, which is generated using the acquired given model based on the acquired selection information, the certain model covering a

~~necessary~~selected variation selected from the plurality of variations and not covering an
~~unnecessary~~a non-selected variation; and

storing the generated source code in a machine readable storage medium.

9. (currently amended) A simulation apparatus for executing functions included in a certain model generated using a given model covering ~~a family of~~ a plurality of variations, the apparatus comprising:

model acquisition means for acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

selection information acquisition means for acquiring selection information, from a source external to the simulation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts, using a part specifier specifying the certain specific part;

deletion and generation means for executing the functions included in the certain model, which is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering an ~~unnecessary~~a non-selected variation; and

a machine readable storage medium for storing the generated certain model.

10. (currently amended) A computer program product on a computer readable medium for use in a simulation apparatus for executing functions included in a certain model generated using

a given model covering ~~a family of~~ a plurality of variations, the computer program product comprising instructions of:

acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

acquiring selection information, from a source external to the simulation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part ; and

executing the functions included in the certain model, which is generated using the acquired given model based on the acquired selection information, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering an ~~unnecessary~~a non-selected variation.

11. (currently amended) A model generation apparatus to generate a certain model using a given model covering ~~a family of~~ a plurality of variations, the apparatus comprising:

model acquisition means for acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

selection information acquisition means for acquiring selection information, from a source external to the model generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part; and

deletion and generation means for generating the certain model, which is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering an ~~unnecessary~~a non-selected variation; and

a machine readable storage medium for storing the generated certain model.

12. (currently amended) A computer program product on a computer readable medium for use in a model generation apparatus to generate a certain model using a given model covering a ~~family of~~ a plurality of variations, the computer program product comprising instructions for:

acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

acquiring selection information, from a source external to the model generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part of the plurality of specific parts using a part specifier specifying the certain specific part; and

generating the certain model, which that is generated using the acquired given model based on the acquired selection information, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering an ~~unnecessary~~a non-selected variation.

13. (currently amended) A method in a code generation apparatus to generate a source code using a given model covering a ~~family of~~ a plurality of variations, the method comprising steps of:

acquiring the given model having a plurality of specific parts, each specific part being specified by a part specifier, each specific part corresponding to at least one variation among the plurality of variations;

acquiring selection information, from a source external to the code generation apparatus, capable of indicating at least one of selection and deletion of a certain specific part using a part specifier specifying the certain specific part; and

generating the source code from a certain model, which is generated using the acquired given model based on the acquired selection information, the certain model covering a ~~necessary~~selected variation selected from the plurality of variations and not covering an ~~unnecessary~~a non-selected variation.

14. (currently amended) A code generation apparatus to generate a source code using a given model covering ~~a family of~~ a plurality of variations, the apparatus comprising:

model acquisition means for acquiring the given model having a plurality of specific parts each, wherein each of the plurality of specific parts included in the given model is specified by each of a plurality of part specifiers, each specific part corresponding to at least one variation among the plurality of variations;

selection information acquisition means for acquiring selection information, from a source external to the code generation apparatus, indicating at least one of selection and deletion of a given specific part using a given part specifier that specifies the given specific part;

deletion and generation means for generating the source code from a certain model, which is generated using the given model acquired by the model acquisition means based on the selection information acquired by the selection information acquisition means, the certain model

covering a ~~necessary~~selected variation selected from the plurality of variations and not covering
an ~~unnecessary~~a non-selected variation; and

a machine readable storage medium for storing the generated source code.

15. (currently amended) The code generation apparatus of claim 1, wherein the variations of
~~the family~~ are functions exclusive to each other in the generated certain model.

16. (currently amended) The code generation apparatus of claim 1, wherein the variations
~~of the family~~ are types different from each other.

17. (currently amended) The code generation apparatus of claim 16, wherein the variations
~~of the family~~ are types of engines.

18. (currently amended) The code generation apparatus of claim 1, wherein the variations
~~of the family~~ are destination countries which are different from each other.

19. (currently amended) The code generation apparatus of claim 1, wherein the variations
~~of the family~~ are intended uses which are different from each other.

20. (currently amended) The code generation apparatus of claim 1, wherein the variations
~~of the family~~ are regulations according to domestic laws of countries, the regenerations being
different from each other.

21. (currently amended) The product of claim 8, wherein the variations of ~~the family~~ are different types of engines.

22. (currently amended) The product of claim 8, wherein the variations of ~~the family~~ are destination countries which are different from each other.

23. (currently amended) The product of claim 8, wherein the variations of ~~the family~~ are intended uses which are different from each other.

24. (currently amended) The product of claim 8, wherein the variations of ~~the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

25. (currently amended) The apparatus of claim 9, wherein the variations of ~~the family~~ are different types of engines.

26. (currently amended) The apparatus of claim 9, wherein the variations of ~~the family~~ are destination countries which are different from each other.

27. (currently amended) The apparatus of claim 9, wherein the variations of ~~the family~~ are intended uses which are different from each other.

28. (currently amended) The apparatus of claim 9, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

29. (currently amended) The product of claim 10, wherein the variations ~~of the family~~ are different types of engines.

30. (currently amended) The product of claim 10, wherein the variations ~~of the family~~ are destination countries which are different from each other.

31. (currently amended) The product of claim 10, wherein the variations ~~of the family~~ are intended uses which are different from each other.

32. (currently amended) The product of claim 10, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

33. (currently amended) The apparatus of claim 11, wherein the variations ~~of the family~~ are different types of engines.

34. (currently amended) The apparatus of claim 11, wherein the variations ~~of the family~~ are destination countries which are different from each other.

35. (currently amended) The apparatus of claim 11, wherein the variations ~~of the family~~ are intended uses which are different from each other.

36. (currently amended) The apparatus of claim 11, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

37. (currently amended) The product of claim 12, wherein the variations ~~of the family~~ are different types of engines.

38. (currently amended) The product of claim 12, wherein the variations ~~of the family~~ are destination countries which are different from each other.

39. (currently amended) The product of claim 12, wherein the variations ~~of the family~~ are intended uses which are different from each other.

40. (currently amended) The product of claim 12, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

41. (currently amended) The method of claim 13, wherein the variations ~~of the family~~ are different types of engines.

42. (currently amended) The method of claim 13, wherein the variations ~~of the family~~ are destination countries which are different from each other.

43. (currently amended) The method of claim 13, wherein the variations ~~of the family~~ are intended uses which are different from each other.

44. (currently amended) The method of claim 13, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.

45. (currently amended) The apparatus of claim 14, wherein the variations ~~of the family~~ are different types of engines.

46. (currently amended) The apparatus of claim 14, wherein the variations ~~of the family~~ are destination countries which are different from each other.

47. (currently amended) The apparatus of claim 14, wherein the variations ~~of the family~~ are intended uses which are different from each other.

48. (currently amended) The apparatus of claim 14, wherein the variations ~~of the family~~ are regulations according to domestic laws of countries, the regulations being different from each other.